

CLAIMS

1. (currently amended) A free flowing dry back-up insulating material comprising having a thermal conductivity ranging between about 0.8 and about 1.8 BTU- in /F-h/pi² and a setting temperature lower than 400°F, wherein said material consists essentially of :

- from 67 to 96% by weight of fly-ash consisting of cenospheres,
- from 2 to 15% by weight of a heat sensitive binder selected from the group consisting of boric acid and anhydrous boron oxide;
- from 2 to 7% by weight of a non-wetting agent selected from the group consisting of calcium fluoride, magnesium fluoride and barium sulphate;
- from 0 to 10% by weight of a heat expandable material selected from the group consisting of vermiculite and graphite; and
- from 0 to 1% by weight of a dust suppressant.

2. (cancelled)

3. (currently amended) The material of claim 1, wherein said material comprising consists essentially of:

- from about 89.5% to 90% by weight of said fly ash;
- about 8% by weight of said heat sensitive binder;
- about 2% by weight of said non-wetting agent; and
- from about 0 to 0.5% by weight of said dust suppressant.

4. (cancelled)